

## WBS 1.9 Staged Schedule

Staged DAQ construction plan

Margaret Votava

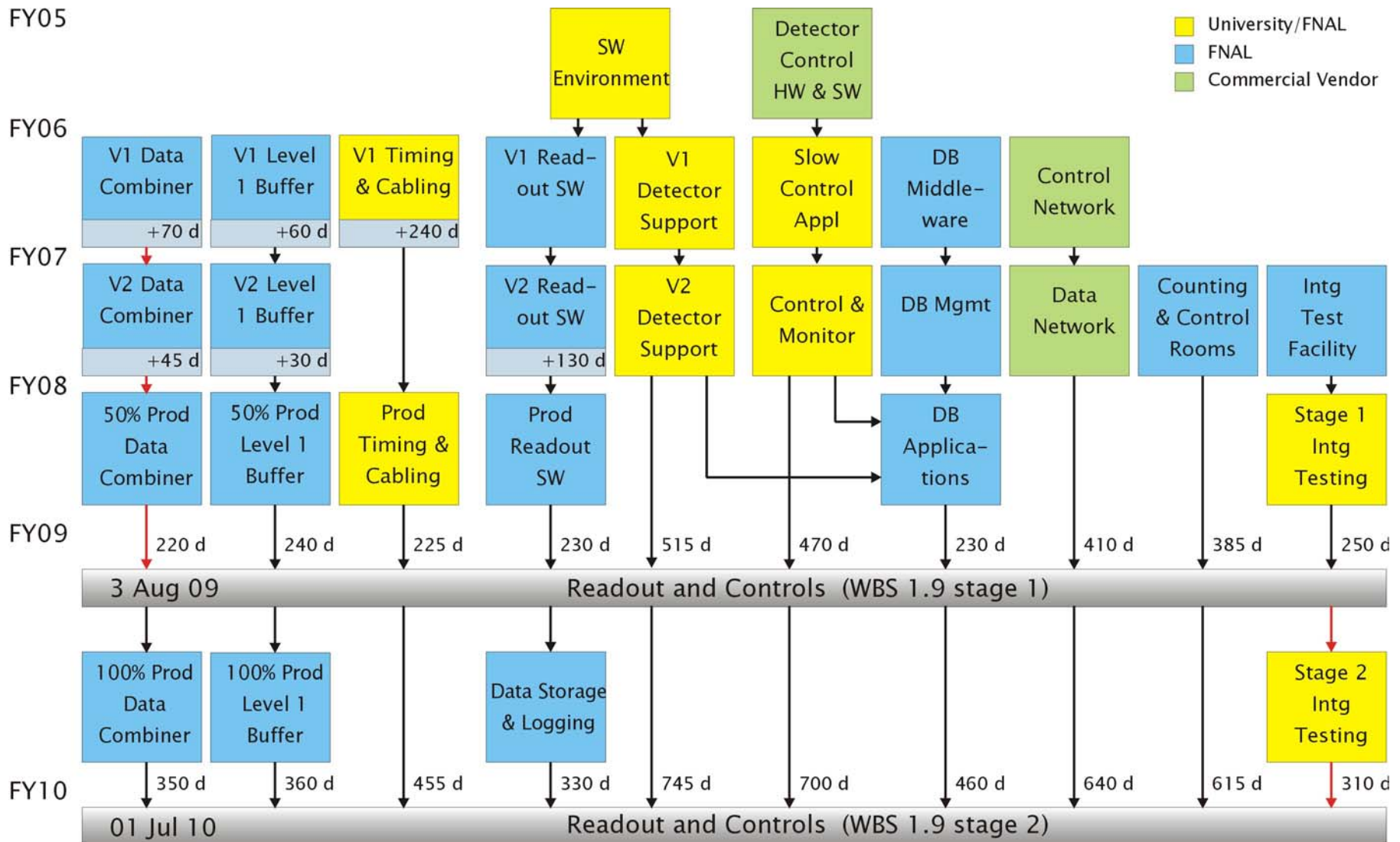
- Stage I – 50% of Readout
  - Needed by August 3, 2009 (Start of shutdown) for DCB installation
  - Ready by September, 2008 (11 months of float)
  - 50% of DCB, L1 buffers, and optical links
  - 100% slow controls, timing hardware
  - Enough of the readout software to support commissioning (mostly done)
  - All database applications with the exception of slow control archiving
- Stage II – 100% of Readout
  - Needed by July 1, 2010 (Start of shutdown) for remaining DCB installation
  - Ready by March, 2009 (15 months of float)
  - 100% of everything
  - Remaining work in FY09 and FY10 is in support of DAQ

## What needed to change?

- About a \$1M Funding shift from FY09 -> FY08 to purchase electronics in time for the 50% stage.
- Splitting purchase reqs in two large batches (had purchased complete quantities before) for DCBs, L1 buffers, and optical links.
- Minor shuffling of quantities with large floats to try and stay on track in other areas in funding profile (not much happening in FY05).

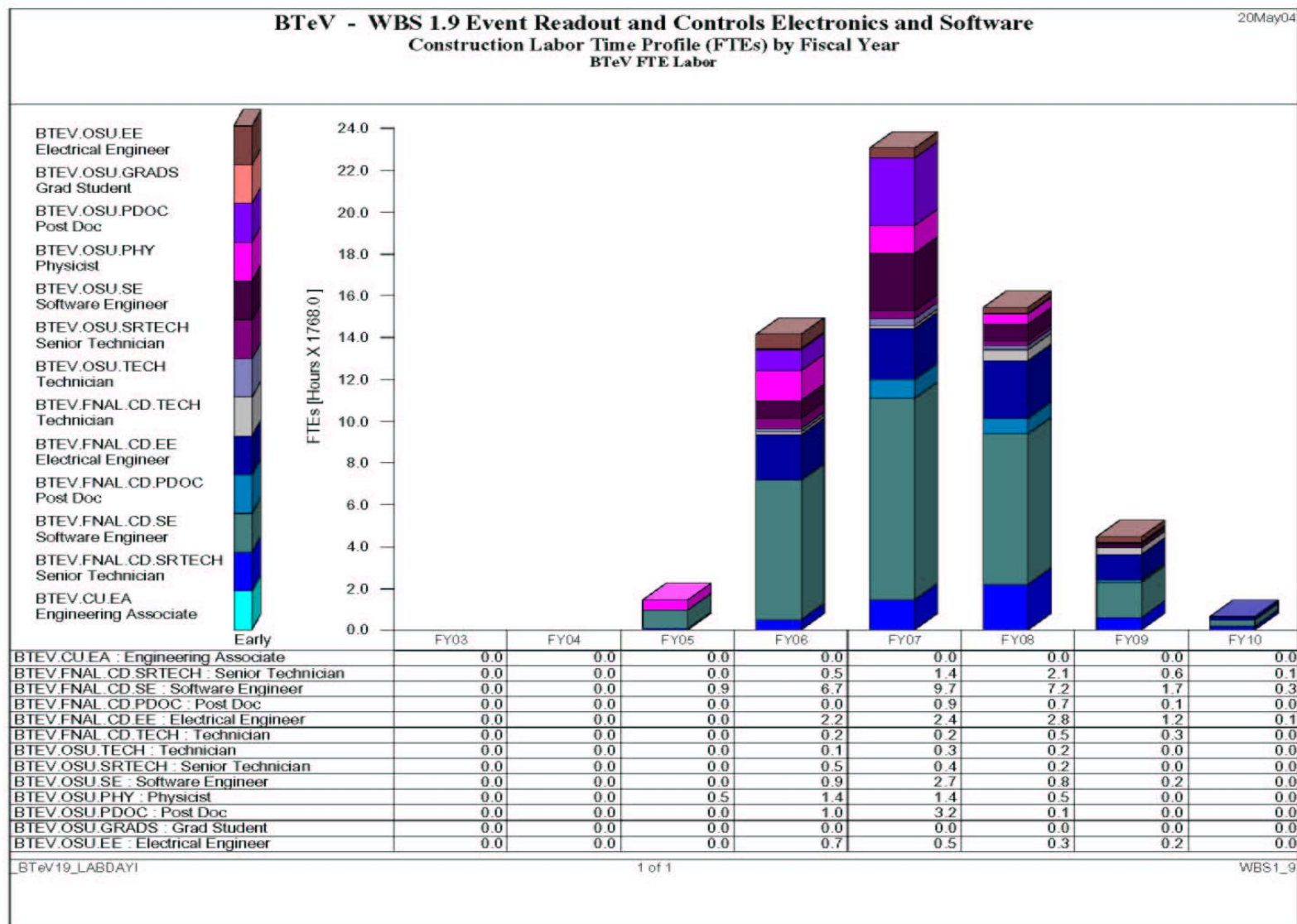
	<b>FY05</b>	<b>FY06</b>	<b>FY07</b>	<b>FY08</b>	<b>FY09</b>	<b>FY10</b>
<b>CD-1</b>	393K	2,669K	3,571K	5,090K	4,614K	
<b>Staged</b>	436K	2,662K	3,624K	5,955K	3,598K	109K
<b>Net Change</b>	43K	(7K)	53K	865K	(1016K)	109K

# WBS 1.9 Project Flow Diagram

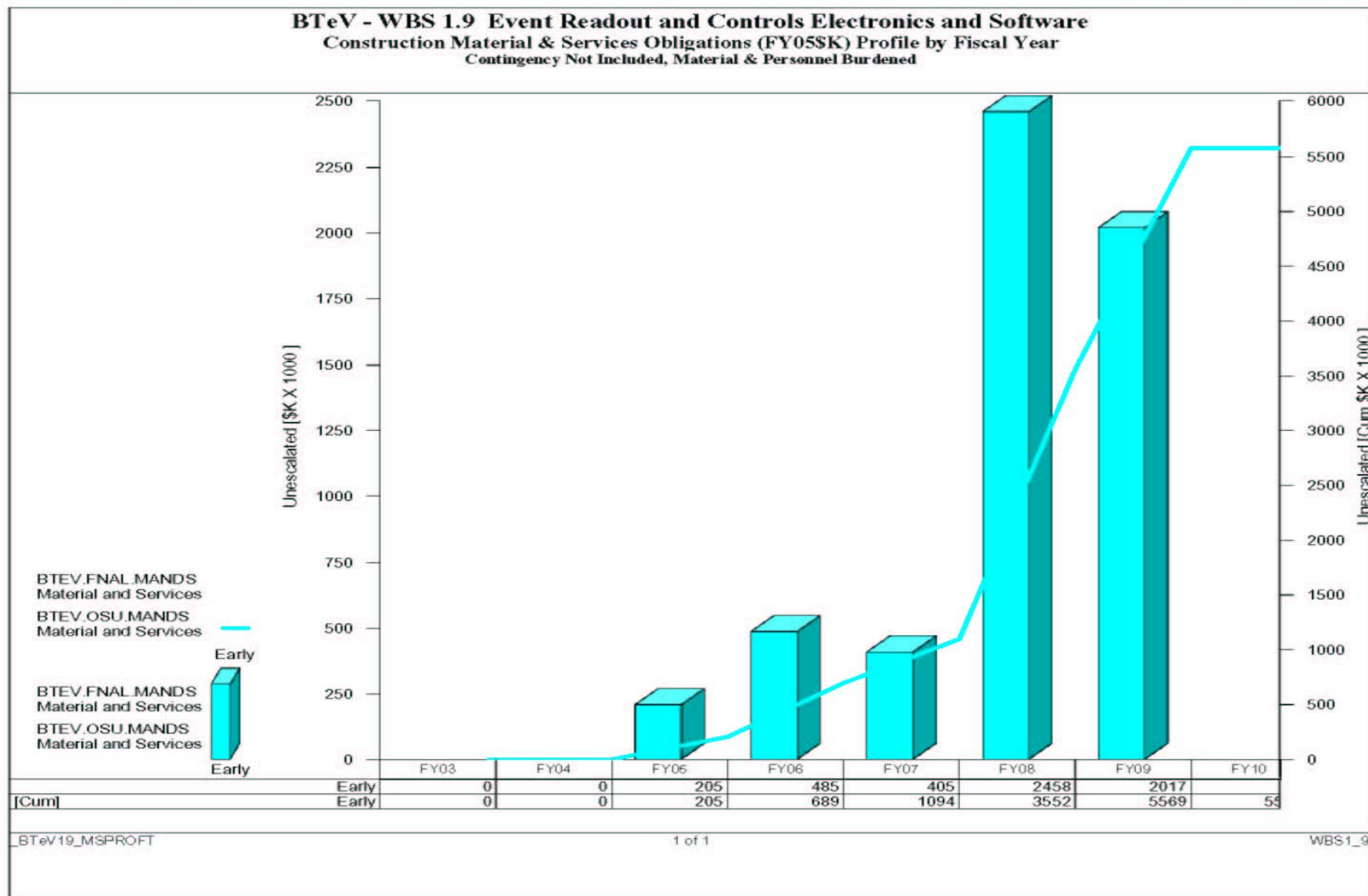


- Stage I
  - several paths ending within 30 days
  - Most have inherent catchup periods at each fiscal year while waiting for next fiscal year's funding.
- Stage II
  - Integration
  - Purchasing/commissioning mass storage system. Want to delay purchase in FY06 to get biggest bang for the buck.

# WBS 1.9 Labor profile



# WBS 1.9 Cost profile



- Daq ready 6-9 months before first beam
  - Done (and then some!)
- FPGA de-escalation too aggressive
  - Will do, but we believe will be no significant cost change. We can balance between increase in performance and price decreasing.
- Assign [physicist] staffing.
  - Primarily 1.8 issue.